

SYSTEM AND METHOD TO SECURELY CONFIRM PERFORMANCE OF TASK BY A PEER IN A PEER-TO- PEER NETWORK ENVIRONMENT

ABSTRACT OF THE DISCLOSURE

5 A system and method for securely confirming performance of a task by a peer in a
peer-to-peer network environment using signed receipts are disclosed. The method
generally comprises broadcasting a request over the network by a requesting peer for a
task with respect to a remote non-local backend server, receiving a response containing a
local alias URL pointing to a destination on a responding server node, forwarding the
10 task to the local alias URL for performance by the responding server node, and verifying
a digital signature of any receipt packet received from the responding server node to
ensure that the receipt packet is from the remote non-local backend server. The method
may also include placing the server node in a black list of the requesting peer if the
verifying is unsuccessful.